

CLAIMS

What is claimed is:

portable

1 1. A filtering pump assembly for pumping and filtering a fluid, comprising:
2 a pump subassembly having an inlet portion with a first cross-sectional shape, and
3 a filter subassembly, comprising:
4 a foraminous cage member having an opening formed therein of a
5 shape corresponding to the first cross-sectional shape of the inlet portion
6 and being configured to fit engagably thereon; and
7 a filter element formed of a porous material for placement in
8 covering relation to the cage member.

1 2. The filtering pump assembly of claim 1, wherein the filter subassembly further
2 comprises means for retaining the filter element in covering relation to the cage
3 member.

1 3. The filtering pump assembly of claim 1, wherein the retaining means
2 comprises an annular spring clip having two ends which overlap one another, and having
3 a finger grip formed at each end thereof.

1 4. The filtering pump assembly of claim 1, wherein the filter element comprises a
2 bag for placement covering and surrounding the cage member.

3 5. The filtering pump assembly of claim 1, wherein the filter element comprises a
4 screen.

1 6. The filtering pump assembly of claim 1, wherein the first cross-sectional shape
2 is circular.

1 7. The filtering pump assembly of claim 1, wherein the pump subassembly is
2 manually operated.

1 8. The filtering pump assembly of claim 1, wherein the pump subassembly is
2 electrically operated.

1 9. The filtering pump subassembly of claim 1, wherein the cage member is
2 substantially cylindrical in shape, and the filter element comprises a hollow sleeve which
3 slidably fits over the cage member.

1 10. A filtering pump assembly for pumping and filtering a fluid, the assembly
2 comprising a pump subassembly and a filter subassembly;
3 the pump subassembly comprising:
4 a case;
5 a motor disposed within the case and having a central shaft;
6 a pickup tube attached to the case and extending downwardly therefrom, said
7 pickup tube having an upper end and a lower end and defining a first flow passage
8 therein;
9 a drive shaft coaxially disposed in the pickup tube and operatively attached to the
10 central shaft of the motor for movement thereby;
11 an impeller attached to the drive shaft opposite the motor;

12 an impeller housing attached to the lower end of the pickup tube and surrounding
13 the impeller;
14 an outlet port disposed proximate the upper end of the pickup tube and defining
15 a second flow passage therein which is in fluid communication with the first flow
16 passage;
17 and the filter assembly comprising
18 a foraminous cage operatively attached to, and partially surrounding the impeller
19 housing; and
20 a filter element formed of a porous material for placement in covering relation to
21 the cage member.